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DNA methylation biomarkers for blood-based colorectal cancer screening

C Lofton-Day, F Model, T DeVos, R Tetzner, ... - Clinical ..., 2008 - Am Assoc Clin Chem

... We estimated DNA amounts for all qPCR assays from **calibration** curves by linear regression on the ... Second, PBLs were required to have an absolute **methylation rate** of 0.2 ... CRC tissue from healthy colon tissue is identical to the selection criterion for first **microarray** and confirms ...

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[clinchem.c](#)

Microarray-based Ms-SNuPE: Near-quantitative analysis for a high-throughput ...

Z Wu, J Luo, Q Ge, Z Lu - *Biosensors and Bioelectronics*, 2008 - Elsevier

... the protocol. An example of the **microarray**-based Ms-SNuPE analysis for E-cad03 was shown in Fig. 2. The ... Fig. 2. The **calibration** curve for measuring **methylation rate** at the given CpG site. (Left) Fully methylated and ...

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[PDF] Statistical analysis of **microarray** based DNA methylation data

F Model, D der Ingieurwissenschaften - opus.kobv.de

... process algorithms for normalization, variance stabilization and DNA **methylation rate** estimation are ... DNA methylation proportions based on a small number of global **calibration** measurements ... Despite the popularity of **microarray** technology, there remain serious problems ...

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ANALYSIS OF DNA METHYLATION IN CANCER

F Model, J Lewin, C Lofton-Day, G ... - *Statistics and Informatics* ..., 2009 - books.google.com

... In these cases the respective **methylation rate** estimates will be off by a factor corresponding to the change in ploidy ... For bisulfite **microarrays** this issue can be avoided by using the redundant methylation and non-methylation measurements for a probe-wise **calibration** ...

Method for the quantification of methylated DNA

D Guetig, D Habighorst, A Kluth, A Schmitt, ... - US Patent App. 11/ ..., 2005 - Google Patents

... In part, for example, with Ms-SNuPE, with hybridizations on **microarrays**, with hybridization ... Fisher scores for differentiating adjacent methylation levels) of the **calibration** curves, which are ... The black columns represent the present invention calculating the **methylation rate** by the ...

All 6 versions

[HTML] CpG island methylator phenotype associates with low-degree ...

YW Cheng, H Piricas, MD Bacolod, G Schermesser ... - *Clinical Cancer* ..., 2008 - AACR

... of a CIMP subgroup is merely an event with normal distribution of **methylation rate** and may be ... The recent advances in DNA **microarray** technology have made the analysis of global ... To determine the percentage of methylation, **calibration** curves of interrogated cytosines were ...

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Method for the carry-over protection in DNA amplification systems targeting ...

R Tetzner, D Dietrich - US Patent App. 11/665,196, 2005 - Google Patents

... Specific cell types can be correlated with specific methylation patterns and this has been shown for a number of cases (Adorjan et al. (2002) Tumour class prediction and discovery by **microarray**-based DNA methylation analysis. *Nucleic Acids Res.* 30 (5) e21). ...

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CpG Island Methylator Phenotype Associates with Low-Degree Chromosomal ...

S Rosenberg, DA Notterman, J Ott, P Paty, F Barany - AACR

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JT Do, DW Han, L Gentile, I Sobek-Klocke, M ... - Stem Cells, 2007 - AlphaMed Press

... All data are normalized to Bact expression and **calibrated** on the F9 EC cells, whose ... Although the **methylation rate** was similar to that of NSCs, the differentiated hybrid cells, which ... of gene expression during the differentiation of F9 EC cells using **microarray** technology, Harris ...

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alphamedpress.org

[HTML] Identification and Validation of Colorectal Neoplasia-Specific Methylation ...

F Model, N Osborn, D Ahlquist, R Grutzmann, B ... - Molecular Cancer ..., 2007 - AACR

... Inflammatory colon tissue samples, were combined because their respective **methylation rate** distributions were ... of each oligonucleotide was estimated from four spot repetitions per **microarray** and, on ... control DNAs (SssI; New England Biomedical) were used to **calibrate** the data ...

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